

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/886,313**

DATE: 02/11/2000
TIME: 17:10:41

INPUT SET: S34701.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

- 3 (1) General Information:

4

5 (i) APPLICANT: Wright, Jim A.

6 Young, Aiping H.

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8 (ii) TITLE OF INVENTION: INHIBITING NEOPLASTIC CELLS UTILIZING

9 THE RIBONUCLEOTIDE REDUCTASE UTR

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11 (iii) NUMBER OF SEQUENCES: 50

12

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Kohn & Associates

15 (B) STREET: 30500 Northwestern Hwy.

16 (C) CITY: Farmington Hills

17 (D) STATE: Michigan

18 (E) COUNTRY: US

19 (F) ZIP: 48334

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21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk

23 (B) COMPUTER: IBM PC compatible

24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

26

27 (vi) CURRENT APPLICATION DATA:

28 (A) APPLICATION NUMBER:

29 (B) FILING DATE:

30 (C) CLASSIFICATION:

31

32 (viii) ATTORNEY/AGENT INFORMATION:

33 (A) NAME: Kohn, Kenneth I.

34 (B) REGISTRATION NUMBER: 30,955

35 (C) REFERENCE/DOCKET NUMBER: 0227.00003

36

37 (ix) TELECOMMUNICATION INFORMATION:

38 (A) TELEPHONE: (248) 539-5050

39 (B) TELEFAX: (248) 539-5055

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42 (2) INFORMATION FOR SEQ ID NO:1:

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44 (i) SEQUENCE CHARACTERISTICS:

45 (A) LENGTH: 523 base pairs

46 (B) TYPE: nucleic acid

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47 (C) STRANDEDNESS: single
 48 (D) TOPOLOGY: linear
 50 (ii) MOLECULE TYPE: cDNA
 52 (iii) HYPOTHETICAL: NO
 54 (vi) ORIGINAL SOURCE:
 55 (A) ORGANISM: Homo sapiens
 57 (ix) FEATURE:
 58 (A) NAME/KEY: 3'UTR
 59 (B) LOCATION: 1..523
 61
 62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

64 GGAAAGACTT GGAAGAGACC AGCATGTCTT CAGTAGCCAA ACTACTTCCTT GAGCATAGAT	60
65 AGGTATAGTG GGTTTGCTTG AGGTGGTAAG GCTTTGCTGG ACCCTGTTGC AGGCAAAAGG	120
66 AGTAATTGAT TTAAAGTACT GTTAATGATG TTAATGATTT TTTTTTAAAC TCATATATTG	180
67 GGATTTCAC CAAAATAATG CTTTGAAAAA AAAGAAAAAA AAAACGGATA TATTGAGAAT	240
68 CAAAGTAGAA GTTTAGGAA TGCAAAATAA GTCATCTTGC ATACAGGGAG TGGTTAAC	300
69 AGGTTTCATC ACCCATTAG CATGCTTTTC TGAAGACTTC AGTTTGTTA AGGAGATTAA	360
70 GTTTTACTGC TTTGACTGGT GGGTCTCTAG AAGCAAAACT GAGTGATAAC TCATGAGAAG	420
71 TACTGATAGG ACCTTTATCT GGATATGGTC CTATAGGTTA TTCTGAAATA AAGATAAAACA	480
72 TTTCTAAGTG AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAA	523

81 (2) INFORMATION FOR SEQ ID NO:2:

82 (i) SEQUENCE CHARACTERISTICS:
 83 (A) LENGTH: 1136 base pairs
 84 (B) TYPE: nucleic acid
 85 (C) STRANDEDNESS: single
 86 (D) TOPOLOGY: linear
 87
 88 (ii) MOLECULE TYPE: cDNA
 89
 90 (iii) HYPOTHETICAL: NO
 91
 92 (vi) ORIGINAL SOURCE:
 93 (A) ORGANISM: Homo sapiens
 94
 95 (ix) FEATURE:
 96 (A) NAME/KEY: 3'UTR
 97 (B) LOCATION: 1..1136

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102	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
104	ATGAACTGAA GATGTGCCCT TACTTGGCTG ATTTTTTTT TCCATCTCAT AAGAAAAATC	60
105	AGCTGAAGTG TTACCAACTA GCCACACCAG GAATTGTCCG TAATGTCAT TAACAGCATIC	120
106	TTTAAAACGT TGAGCTACC TCACAACCAAG TCCTGTCTGT TTATAGTGCT GGTAGTATCA	180
107	CCTTTGCCTGG CTGGCTGTGA CTTACCATAG CAGTGACAAT GGCAGTCTTG	240
108	GCTTTAAAGT GAGGGGTGAC CCTTTAGTGA GCTTAGCACA GCGGGATTAA ACAGTCCTTT	300
109	AACCAGCACA GCCAGTTAAA AGATGCAGCC TCACTGCTTC AACGCAGATT TTAATGTTA	360
110	CTTAAATATA AACCTGGCAC TTTACAAACA AATAAACATT GTTTGTACT CACGGCGGCC	420
111	ATAATAGCTT GATTATTTG GTTTCTACAC CAAATACATT CTCCTGACCA CTAATGGGAG	480
112	CCAATTCAACA ATTCACTAAG TGACTAAAGT AAGTTAAACT TGTGTAGACT AAGCATGTAA	540
113	TTTTTAAGTT TTATTTAAT GAATTAAAAT ATTTGTTAAC CAACTTAAA GTCAGTCCTG	600
114	TGTATACCTA GATATTAGTC AGTTGGTGC AGATAGAAGA CAGGTTGTGT TTTTATCCTG	660
115	TGGCTTGTGT AGTGTCTGG GATTCTCTGC CCCCTCTGAG TAGAGTGTG TGGGATAAAG	720
116	GAATCTCTCA GGGCAAGGAG CTTCTTAAGT TAAATCACTA GAAATTAGG GGTGATCTGG	780
117	GCCTTCATAT GTGTGAGAAG CGGTTTCATT TTATTTCTCA CTGTATTTTC CTCAACGTCT	840
118	GGTTGATGAG AAAAAATTCT TGAAGAGTT TCATATGTGG GAGCTAAGGT AGTATTGTAA	900
119	AATTCAGT CATCCTTAAA CAAAATGATC CACCTAAGAT CTTGCCCTG TTAAGTGGTG	960
120	AAATCAACTA GAGGTGGTTC CTACAAGTTG TTCATTCTAG TTTTGTGTTGG TGTAAGTAGG	1020
121	TTGTGTGAGT TAATTCAATT ATATTTACTA TGTCTGTTAA ATCAGAAATT TTTTATTATC	1080
122	TATGTTCTTC TAGATTTAC CTGTAGTTCA TAAAAAAAAA AAAAAAAAAA AAAAAAA	1136
123	(2) INFORMATION FOR SEQ ID NO:3:	
124	(i) SEQUENCE CHARACTERISTICS:	
125	(A) LENGTH: 20 base pairs	
126	(B) TYPE: nucleic acid	
127	(C) STRANDEDNESS: single	
128	(D) TOPOLOGY: linear	
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153
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
155
156 GGATTTAGGT GACACTATAG
157
158 (2) INFORMATION FOR SEQ ID NO:4: 20
159
160 (i) SEQUENCE CHARACTERISTICS:
161 (A) LENGTH: 18 base pairs
162 (B) TYPE: nucleic acid
163 (C) STRANDEDNESS: single
164 (D) TOPOLOGY: linear
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170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
171
172 TGAGAAAAGC GGGGCCTG
173
174 (2) INFORMATION FOR SEQ ID NO:5: 18
175
176 (i) SEQUENCE CHARACTERISTICS:
177 (A) LENGTH: 21 base pairs
178 (B) TYPE: nucleic acid
179 (C) STRANDEDNESS: single
180 (D) TOPOLOGY: linear
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186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
187
188 TAAGTAACTG ATCGTGTGCT C
189
190 (2) INFORMATION FOR SEQ ID NO:6: 21
191
192 (i) SEQUENCE CHARACTERISTICS:
193 (A) LENGTH: 20 base pairs
194 (B) TYPE: nucleic acid
195 (C) STRANDEDNESS: single
196 (D) TOPOLOGY: linear
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202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
203
204 GAGTTTCAT ATGTGGGAGC
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206 (2) INFORMATION FOR SEQ ID NO:7:

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207
208 (i) SEQUENCE CHARACTERISTICS:
209 (A) LENGTH: 20 base pairs
210 (B) TYPE: nucleic acid
211 (C) STRANDEDNESS: single
212 (D) TOPOLOGY: linear
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218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
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220 GAGTTTTCTC ATATGTGGGA

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221
222 (2) INFORMATION FOR SEQ ID NO:8:
223

224 (i) SEQUENCE CHARACTERISTICS:
225 (A) LENGTH: 20 base pairs
226 (B) TYPE: nucleic acid
227 (C) STRANDEDNESS: single
228 (D) TOPOLOGY: linear
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234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
235

236 AATGAACTGA AGATGTGCC

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237
238 (2) INFORMATION FOR SEQ ID NO:9:
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240 (i) SEQUENCE CHARACTERISTICS:
241 (A) LENGTH: 20 base pairs
242 (B) TYPE: nucleic acid
243 (C) STRANDEDNESS: single
244 (D) TOPOLOGY: linear
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250 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
251

252 AGGAATCTCT CAGGGCAAGG

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254 (2) INFORMATION FOR SEQ ID NO:10:
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256 (i) SEQUENCE CHARACTERISTICS:
257 (A) LENGTH: 20 base pairs
258 (B) TYPE: nucleic acid

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/886,313**DATE: 02/11/2000
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174 (2) INFORMATION FOR SEQ ID NO:5:
175
176 (i) SEQUENCE CHARACTERISTICS:
177 (A) LENGTH: 21 base pairs
178 (B) TYPE: nucleic acid
179 (C) STRANDEDNESS: single
180 (D) TOPOLOGY: linear
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186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
187
188 TAAGTAACTG ATCGTGTGCT C
189

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895 (2) INFORMATION FOR SEQ ID NO:50:
896
897 (i) SEQUENCE CHARACTERISTICS:
898 (A) LENGTH: 21 base pairs
899 (B) TYPE: nucleic acid
900 (C) STRANDEDNESS: single
901 (D) TOPOLOGY: linear
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906
907 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:50:
908
909 TTAAGACTTT TTACGCGATT C
910

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SEQUENCE VERIFICATION REPORT
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Original Text